



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C SB Cleaner

Sump cleaner

Product Code: 14890

Miller Industrial Fluids, A PetroChoice Company

1751 W. Raymond Street

Indianapolis, Indiana 46221

Website: www.petrochoice.com

1-317-634-7300 Telephone

1-800-424-9300 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (CHEMTREC)

+1-703-527-3887 International / Maritime Emergency telephone (CHEMTREC)

2. HAZARDS IDENTIFICATION

OSHA/HCS Status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture:

Skin Corrosion/Irritation – Category 2

Serious Eye Damage/Eye Irritation – Category 1

Skin Sensitization – Category 1

GHS Label Elements

Hazard Pictogram:



Signal Word:

DANGER

Hazard Statement:

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H317 – May cause an allergic skin reaction

Precautionary Statements

- Prevention:** Wash thoroughly after handling. Wear protective gloves, clothing, eye protection and face protection. Avoid breathing dust, fume, gas, mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace.
- Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. If exposed or concerned: Get medical advice/attention.
- Storage:** None
- Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Other Hazards:** None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: None

Formula: Mixture

Other means of identification: None

CAS Number/other identifiers: None

Component	CAS Number	Concentration %
Fatty acid derived nonionic surfactant	Proprietary	5-10
Octanoic acid	124-07-2	1-5
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	4719-04-4	1-5
2-butoxyethanol	111-76-2	1-5
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	1-5
Tetrasodium ethylenediamine tetra-acetate	64-02-8	0.1-1
Potassium hydroxide	1310-58-3	0.1-0.5

4. FIRST AID MEASURES

Description of necessary first aid measures:

Eye contact

Rinse immediately with plenty of water. Remove contact lenses, if safe and possible to do. Protect unharmed eye. Continue rinsing. Keep impacted eye(s) wide open while rinsing. If eye irritation persists, get medical attention.

Inhalation

Move person to an area with fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection such as a pocket mask. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention immediately.

Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse. If skin irritation or rash develops, seek medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Rinse mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed:

Eye contact may result in pain, irritation, watering and redness. Skin contact may result in irritation and redness.

Indication of any immediate medical attention and special treatment needed.

If necessary, treat symptomatically

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from this mixture

Hazardous decomposition products include oxides of oxygen and nitrogen as well as corrosive and or toxic fumes.

Special protective equipment and precautions for fire-fighters:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. If significant spillages cannot be contained, local authorities should be advised.

Environmental precautions

Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Avoid discharge into drains, water courses or onto the ground. If the product contaminates rivers and lakes or drains, then inform the respective authorities.

Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or other absorbent material then place into containers. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling should take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

Conditions for safe storage, including any incompatibilities

Store in original container in a dry, cool and well-ventilated place. Keep container tightly closed and sealed until ready for use. Container must be kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

OSHA

Material	Type	Value
2-butoxyethanol	PEL	240 mg/m ³

ACGIH

Material	Type	Value
2-butoxyethanol	TWA	20 ppm
Potassium hydroxide	Ceiling	2 mg/m ³

Appropriate engineering controls

Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Individual protection measures, such as personal protective equipment

Eye/face protection

Goggles/face shield are recommended.

Hand protection

Nitrile rubber gloves are recommended.

Skin & body protection

Chemical/oil resistant long-sleeve clothing is recommended. Launder contaminated clothing before reuse.

Respiratory protection

If vapors/mist concentration exceed the exposure limit(s), an appropriate certified respirator must be used.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear and colorless

Physical state: Liquid

Odor: Mild

Odor Threshold: Not available

pH: 8.5

Melting point/freezing point: 32°F (0°C)

Initial boiling point and boiling range: 212°F (100°C)

Flash point (Cleveland Open Cup): No flash through boiling

Evaporation rate: <1 (n-Butyl Acetate = 1)

Flammability (solid, gas): Not available

Upper/lower flammability or explosive limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: 1.00 @ 60°F (15.56°C)

Solubility (water): Complete

Partition Coefficient (n-octanol/water): Not established

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: The product is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: No specific data

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes or exposure

Ingestion

May be harmful if swallowed. Irritating to mouth, throat and stomach.

Inhalation

May be harmful if inhaled. Irritating to upper respiratory tract.

Skin Contact

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye Contact

Severely irritating and damaging to eyes.

Symptoms related to the physical, chemical and toxicological characteristics: Not available

Information on Toxicological Effects

Acute Toxicity:

Component analysis:

Component name	Test	Species	Dose
Fatty acid derived, nonionic surfactant	LD50 Oral	Rat	>5000 mg/kg
	LD50 Dermal	Rabbit	8000 mg/kg
Octanoic Acid	LD50 Oral	Rat	1283 mg/kg
	LD50 Dermal	Rabbit	>5000 mg/kg
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	LD50 Oral	Rat	1009-3950 mg/kg
	LD50 Dermal	Rat	>2000 mg/kg
2-butoxyethanol	LD50 Oral	Rat	1300 mg/kg
	LD50 Dermal	Rat	>2000 mg/kg
Alcohols, C6-10, ethoxylated propoxylated	LD50 Oral	Rat	2380-2745 mg/kg
	LD50 Dermal	Rat	>2000 mg/kg
Tetrasodium ethylenediamine tetra-acetate	LD50 Oral	Rat	3030 mg/kg
	LD50 Dermal	Rabbit	>5000 mg/kg
Potassium hydroxide	LD50 Oral	Rat	273 mg/kg

Skin corrosion/irritation: Irritating to skin. May cause defatting of the skin.

Serious eye damage/eye irritation: Causes serious eye damage

Respiratory or skin sensitization:

Respiratory sensitization: Not a respiratory sensitizer

Skin sensitization: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Mutagenicity: Non-mutagenic

Carcinogenicity: This product's components are not considered to be carcinogenic by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity: Contains no ingredient listed as toxic to reproduction.

Specific Target Organ Toxicity:

Single Exposure: Not classified

Repeated Exposure: Not classified

Aspiration Hazard: Not classified

Chronic effects: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Component	Test	Species	Dose
Fatty acid derived, nonionic surfactant	LC50, 96 hours	Fish	4.4 mg/L
	LC50, 48 hours	Daphnia magna	7.5 mg/L
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	LC50, 96 hours	Fish	10-100 mg/L
	EC50, 48 hours	Daphnia magna	10-100 mg/L
2-butoxyethanol	LC50, 96 hours	Oncorhynchus mykiss	1474 mg/L
	EC50, 48 hours	Water flea	1550 mg/L
Tetrasodium ethylenediamine tetra-acetate	LC50, 96 hours	Pimephales promelas	>100 mg/L
Potassium hydroxide	LC50, 96 hours	Gambusia affinis	80 mg/L

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal methods

Disposal of waste material should comply with all local, state, federal and provincial environmental regulations. See Section 7 for safe handling procedures and section 8 for personal protective equipment recommendations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Follow label warnings even after container is emptied. Avoid contact of any spilled material or runoff with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

DOT: Not regulated

IMDG: Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations:

This product is considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

United States Inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: Potassium hydroxide; Sodium hydroxide

CERCLA Hazardous Substance List (40 CFR 302.4)

Component	CAS	Percent
Potassium hydroxide	1310-58-3	0.1-0.5

SARA 302/304:

Composition/Information on Ingredients

Component	CAS	Percent
1,4-Dioxane	123-91-1	<0.0008
Ethylene oxide	75-21-8	<0.0002

SARA Hazard Categories (311/312)

Acute Health Hazard: Yes
Chronic Health Hazard: Yes
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

SARA 313

Component	CAS	Percent
2-butoxyethanol (glycol ether category)	111-76-2	1-5

State Regulations

California Proposition 65

Component	CAS	Percent
1,4-Dioxane	123-91-1	<0.0008
Ethylene oxide	75-21-8	<0.0002

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Potassium Hydroxide	Yes	No	Yes	Yes
2-aminoethanol	Yes	Yes	Yes	-
1,4-Dioxane	Yes	Yes	Yes	-
Ethylene Oxide	Yes	Yes	Yes	-

16. OTHER INFORMATION

The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

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